

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	13	("5949092").URPN.	USPAT	OR	ON	2006/02/21 08:13
L6	1701	438/166	US-PGPUB; USPAT; JPO	OR	ON	2006/02/21 08:40
L7	460	438/150	US-PGPUB; USPAT; JPO	OR	ON	2006/02/21 08:53
L8	67801	yamazaki.in.	US-PGPUB; USPAT; JPO	OR	ON	2006/02/21 08:41
L9	4165	("semiconductor energy laboratory" sel).as.	US-PGPUB; USPAT; JPO	OR	ON	2006/02/21 08:53
L10	227	7 and CMOS	US-PGPUB; USPAT; JPO	OR	ON	2006/02/21 09:12
L11	422	9 and CMOS and inverter	US-PGPUB; USPAT; JPO	OR	ON	2006/02/21 08:53
L12	56	"4,933,298"	US-PGPUB; USPAT; JPO	OR	ON	2006/02/21 09:12
L13	26	("20020140031"   "20030102518"   "4768076"   "4857986"   "4933298"   "5013681"   "5024723"   "5213986"   "5374564"   "5384473"   "5659192"   "5759898"   "5769991"   "5863830"   "6335231"   "6355541"   "6358806"   "6368938"   "6407406"   "6410371"   "6414355"   "6429061"   "6448114"   "6483171"   "6486008"   "6593634").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 09:15
S4	5	((("5976953") or ("6544837") or ("6624046") or ("6509639") or ("5880010"))).PN.	US-PGPUB; USPAT; JPO	OR	OFF	2006/02/20 16:45
S5	1	("20030148590").PN.	US-PGPUB; USPAT; JPO	OR	OFF	2006/02/20 16:46
S7	6	((("6974653") or ("6563131") or ("6700163") or ("6943405") or ("6965503") or ("6881672"))).PN.	US-PGPUB; USPAT; JPO	OR	OFF	2006/02/20 16:49
S8	10	((("6670677") or ("6590258") or ("5057898") or ("6124615") or ("6355501") or ("5889302") or ("5426072") or ("20030094674") or ("20040144979") or ("20040146701"))).PN.	US-PGPUB; USPAT; JPO	OR	OFF	2006/02/20 17:18
S9	1269	(257/713).CCLS.	US-PGPUB; USPAT; JPO	OR	OFF	2006/02/20 17:13

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S10	1247	(257/701).CCLS.	US-PGPUB; USPAT; JPO	OR	OFF	2006/02/20 17:13
S11	1645	(257/700).CCLS.	US-PGPUB; USPAT; JPO	OR	OFF	2006/02/20 17:13
S12	3905	((257/700) or (257/713) or (257/701)).CCLS.	US-PGPUB; USPAT; JPO	OR	OFF	2006/02/20 17:14
S13	0	S12 and (crystal near orientation) and pFET and nFET	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 17:15
S14	0	S12 and pFET and nFET	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 17:15
S15	7	S12 and (crystal near orientation)	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 17:16
S16	9	S12 and PMOS and NMOS	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 17:16
S17	5	S8 and orientation	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 17:18
S18	33	("4996574"   "5321286"   "5346834"   "5420048"   "5451798"   "5482877"   "5497019"   "5581101"   "5612552"   "5675185"   "5689136").PN. OR ("5889302").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:22
S19	11902	crystal adj orientation	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:22
S20	3242	S19 and inventor	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:22
S21	617	S19 and inventor and insulat\$3 near layer	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:23
S22	644	S19 and inventor and insulat\$3 near (layer region)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:38
S23	7	"6429085"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:35
S24	27	"4692994"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:35
S25	54	"4768076"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:35

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S26	31	"5006913"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:36
S27	589	S19 and inventor and (insulat\$3 near (layer region)) and ((" <100>" "[100]" "<110>" "[110]"))	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:47
S28	266	S19 and inventor and (insulat\$3 near (layer region)) and ((" <100>" "[100]" "<110>" "[110]")) and conductivity	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:47
S29	32	S19 and inventor and (insulat\$3 near (layer region)) and ((" <100>" "[100]" "<110>" "[110]")) and second near conductivity	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:41
S30	2	S19 and inventor and (insulat\$3 near (layer region)) and ((" <100>" "[100]" "<110>" "[110]"))	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:47
S31	95	S19 and inverter and (insulat\$3 near (layer region)) and ((" <100>" "[100]" "<110>" "[110]")) and conductivity	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:53
S32	0	inverter and (insulat\$3 near (layer region)) and (orientation or crystal near orientation) and conductivity	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:53
S33	0	inverter and (insulat\$3 near (layer region)) and (orientation or crystal near orientation)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:53
S34	1362	inverter and (insulat\$3 near (layer region)) and (orientation or crystal near orientation)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:54
S35	732	inverter and (insulat\$3 near (layer region)) and (orientation or crystal near orientation) and conductivity	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:54
S36	215	inverter and (insulat\$3 near (layer region)) and (orientation or crystal near orientation) and conductivity and (PMOS PFET) and (NMOS NFET)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 17:54
S37	10	("5789787").URPN.	USPAT	OR	ON	2006/02/20 18:01
S38	68975	CMOS	USPAT	OR	ON	2006/02/20 18:01
S39	13220	CMOS and (PMOS or PFET) and (NMOS or NFET)	USPAT	OR	ON	2006/02/20 19:19
S40	6654	CMOS and (PMOS or PFET) and (NMOS or NFET) and inverter	USPAT	OR	ON	2006/02/20 19:21
S41	1140	CMOS and (PMOS or PFET) and (NMOS or NFET) and inverter and interconnect	USPAT	OR	ON	2006/02/20 18:05
S42	277	CMOS and (PMOS or PFET) and (NMOS or NFET) and inverter and interconnect and orientation	USPAT	OR	ON	2006/02/20 18:06

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S43	471	CMOS and (PMOS or PFET) and (NMOS or NFET) and inverter and interconnect and orientation	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:16
S44	1090	(crystal adj orientation surface adj orientation) and ([111] [110] [101] [100] [011] [010] [001] [000])	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:20
S45	21	inverter and (crystal adj orientation surface adj orientation) and ([111] [110] [101] [100] [011] [010] [001] [000])	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:32
S46	839	257/67	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:32
S47	240	S46 and inverter	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:35
S48	74	S46 and inverter and orientation	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:38
S49	9	S46 and inverter and ("100" "110") near plane)	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:42
S50	9	S46 and inverter and ("100" "110") near (plane axis))	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:43
S51	348	inverter and ("100" "110") near (plane axis))	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 18:43
S52	236	semiconductor and inverter and ("100" "110") near (plane axis))	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 19:05
S53	1710	semiconductor and inverter and (lattice ("100" "110") near (plane axis)))	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 19:04
S54	3	inverter and miller adj indice	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 19:04
S55	626	semiconductor and miller adj indice	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 19:04
S56	195	semiconductor and miller adj indice and ("100" "110") near (plane axis))	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 19:13
S57	0	S41 and ("crystal direction" near3 ([100] [110]))	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 19:15
S58	2	S40 and ("crystal direction" near3 ([100] [110]))	US-PGPUB; USPAT; JPO	OR	ON	2006/02/20 19:15
S59	444	S46 and CMOS	USPAT	OR	ON	2006/02/20 19:26

## EAST Search History

S60	7	S59 and (NMOS PMOS) near5 (interconnection interconnected interconnecting)	USPAT	OR	ON	2006/02/20 19:27
S61	1	S60 and ("crystal direction" "crystal orientation")	USPAT	OR	ON	2006/02/20 19:27
S62	694	257/69	USPAT	OR	ON	2006/02/20 19:26
S63	397	S62 and CMOS	USPAT	OR	ON	2006/02/20 19:26
S64	2	S63 and (NMOS PMOS) near5 (interconnection interconnected interconnecting)	USPAT	OR	ON	2006/02/20 19:27
S65	0	S64 and ("crystal direction" "crystal orientation")	USPAT	OR	ON	2006/02/20 19:27
S66	0	S64 and ("crystal direction" "crystal orientation" "crystal plane")	USPAT	OR	ON	2006/02/20 19:27
S67	779	257/903	USPAT	OR	ON	2006/02/20 19:28
S68	435	S67 and CMOS	USPAT	OR	ON	2006/02/20 19:28
S69	6	S67 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting)	USPAT	OR	ON	2006/02/20 19:31
S70	1	S67 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting) and ("crystal direction" "crystal orientation" "crystal plane")	USPAT	OR	ON	2006/02/20 19:29
S71	1139	257/57	USPAT	OR	ON	2006/02/20 19:29
S72	1	S71 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting) and ("crystal direction" "crystal orientation" "crystal plane")	USPAT	OR	ON	2006/02/20 19:29
S73	522	438/152	USPAT	OR	ON	2006/02/20 19:29
S74	0	S73 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting) and ("crystal direction" "crystal orientation" "crystal plane")	USPAT	OR	ON	2006/02/20 19:29
S75	484	257/904	USPAT	OR	ON	2006/02/20 19:29
S76	0	S75 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting) and ("crystal direction" "crystal orientation" "crystal plane")	USPAT	OR	ON	2006/02/20 19:30
S77	2078	257/369	USPAT	OR	ON	2006/02/20 19:30
S78	0	S77 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting) and ("crystal direction" "crystal orientation" "crystal plane")	USPAT	OR	ON	2006/02/20 19:30
S79	1612	438/199	USPAT	OR	ON	2006/02/20 19:30

## EAST Search History

S80	0	S79 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting) and ("crystal direction" "crystal orientation" "crystal plane")	USPAT	OR	ON	2006/02/20 19:30
S81	1	S79 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting) and crystal\$3	USPAT	OR	ON	2006/02/20 19:31
S82	1	S77 and CMOS and (NMOS PMOS) near5 (interconnection interconnected interconnecting) and crystal\$3	USPAT	OR	ON	2006/02/20 19:30
S83	8	("5852310"   "5949092"   "5952678").PN. OR ("6204518").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 20:00
S84	8	("5852310"   "5949092"   "5952678").PN. OR ("6204518").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/20 20:11